

# The Role of Vegetation in Riparian Function

- Protect banks
- Stabilize channels
- Dissipate energy:
  - → Slow velocity
    - →Drop sediment
      - → Stabilize sediment
        - →Build floodplain

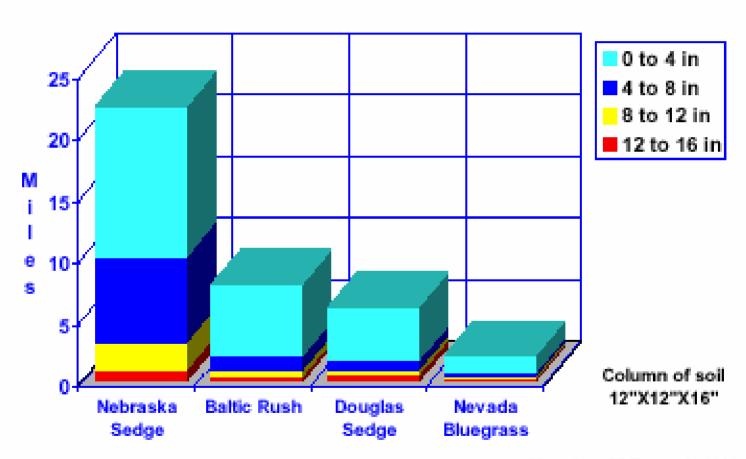
## Build Floodplain:

- Increase water storage capacity (sponge)
- Increase recharge
- Absorb floodwater
- Prolonged flow

# Riparian Vegetation

- 1. Slow the water down
- 2. Retain water on the land longer

### **Root Length**

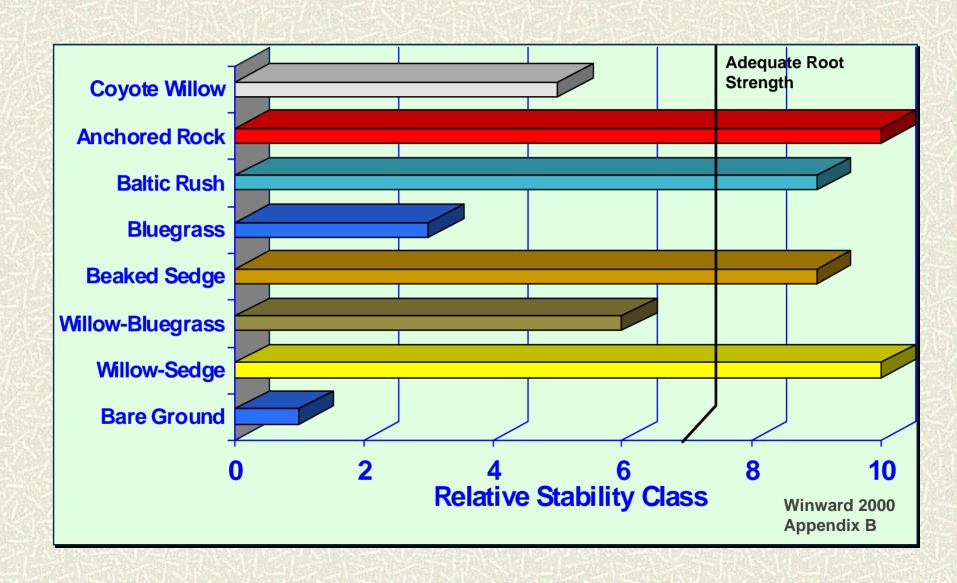


### Plant Vigor-Leaves and Roots

Caring for the Green Zone, Riparian Areas and Grazing Management Alberta Riparian Habitat Management Project, "Cows and Fish Project"



#### **Channel Stability Rating (Vegetation)**



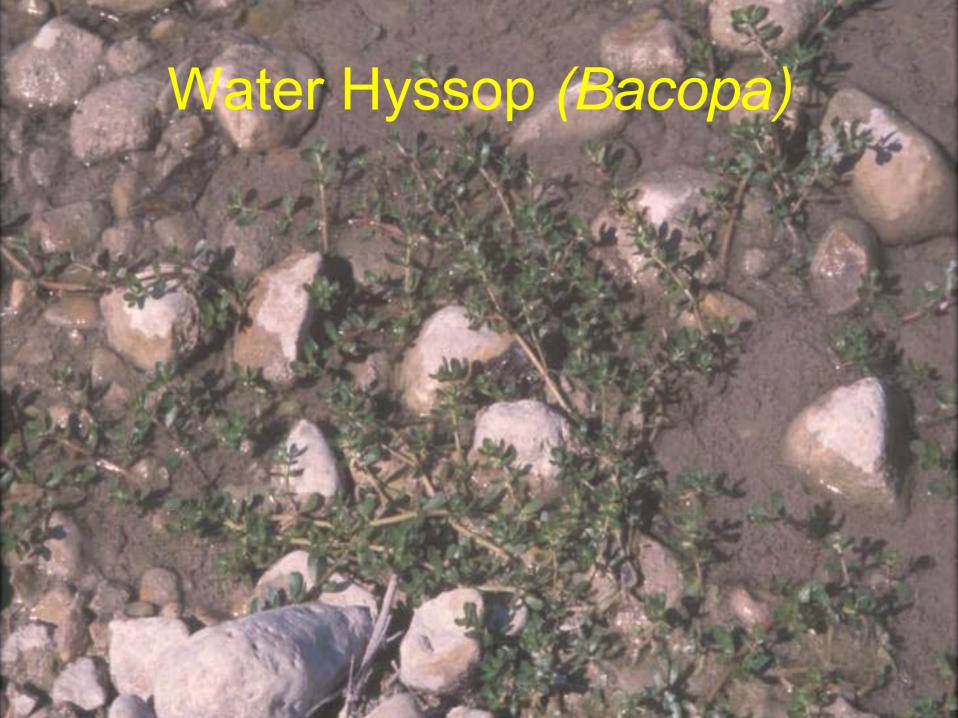
















































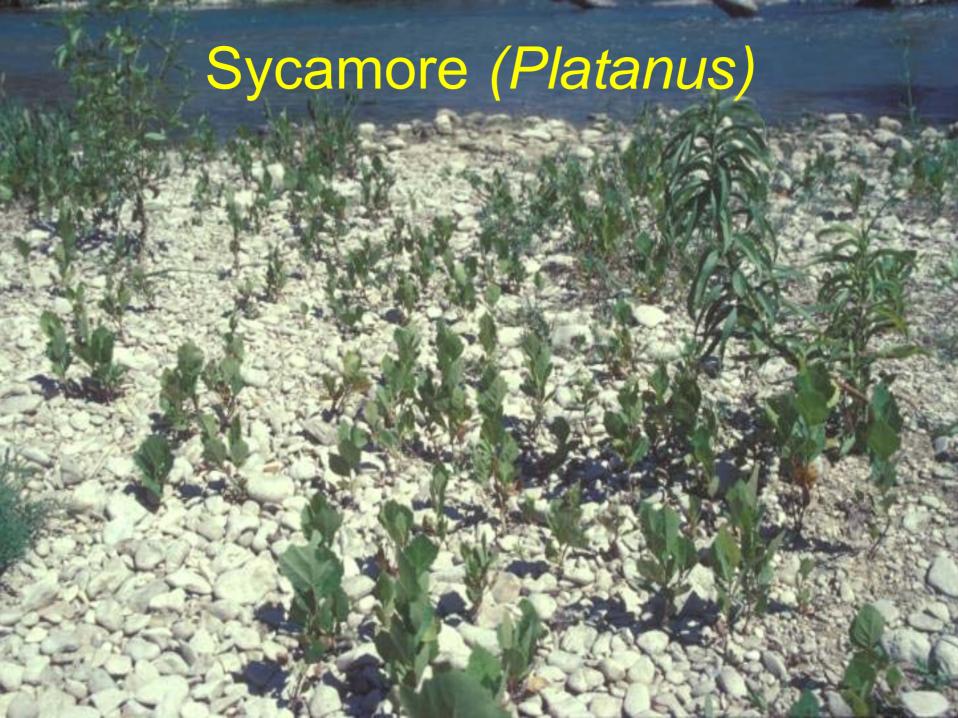






























## Buttonbush (Cephalanthus)



























